

OWNER'S MANUAL OF ULTRASONIC HUMIDIFIER

MH-508

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***Technical data**

Model No: MH-508
Standard Output: 300ml/H
Water Tank Volume: 5.2 Liter
Noise Level: < 35 dB (A)
Rated voltage: 220-240V
Frequency: 50Hz
Rated Power input: 30W
N.W/G.W: 1.33kg/1.76kg

***Working Principle:** Ultrasonic Humidifier use the ultrasonic high-frequency oscillator to break up water into tiny water particles with the diameter of about 1-5um. The ventilation system blows out this water into the dry air where they evaporate to give the required humidity. The clearly visible smooth and even fog can be seen out of the unit.

***Features:**

High efficient in humidification with large output.
Low energy consumption, save 85-90 percent of electricity of normal stream humidifier.
Long lifetime
Automatic control to humidity level, lack-water security protection.

***Correct Humidity Level:**

What exactly is relative humidity: Relative humidity is the percentage of the actual water vapor contains to the saturated water vapor contains under the same definite temperature and space. We normally mark it with %RH, like 45 %RH. Atmosphereic air always contains water vapor, the percentage of which depends the meterological conditions. The higher the temperature is the more the air keeps water vapor. Therefore, we use the concept of 'relative humidity'. When the cold air ins heated up to the comfort temperature in winter, the relative percentage of the water vapor falls which means the relative humidity drops. In order to keep a comfortable and health environment at home, we need some artificial addition of water or water vapor to room air- that's air humidification.

- Ideal relative humidity levels under different situations.

The most comfort RH for human being 45-65%RH

Ideal RH for prophylactic and curative purpose: 40-55%RH

Computer and telecom apparatuses: 45-60%RH

Furniture and musical instrument: 40-60%RH

Library art gallery and museums: 40-60%RH

***Function of MH-508 Ultrasonic Humidifier:**

To increase and to regulate relative humidity of the room air;

To eliminate electrostatic charges;

To prevent different diseases:

To keep your appearance fit and protect your skin:

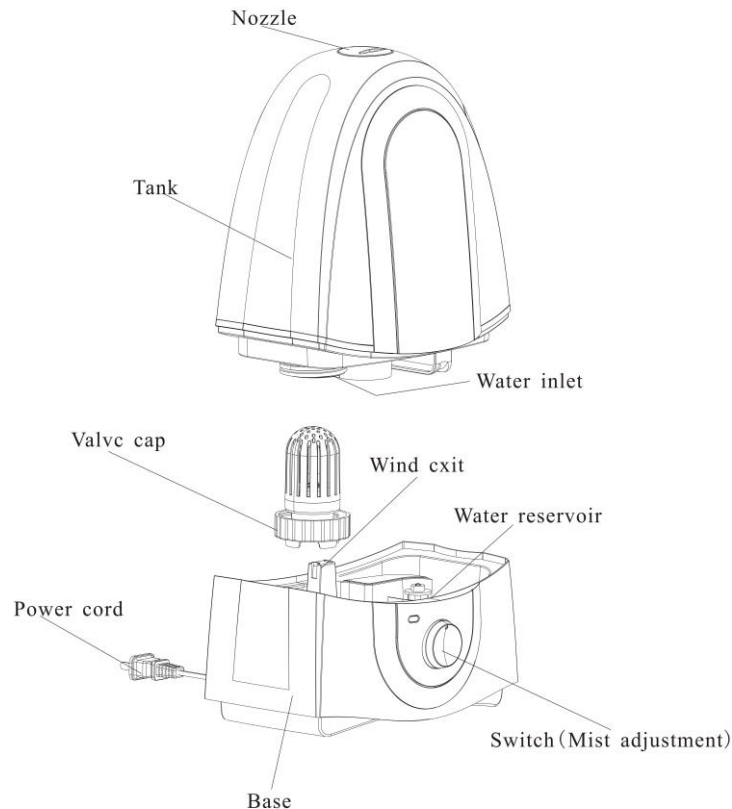
To adjust room temperature

***Security Guide:**

Warning: Please be aware of the following points otherwise you might in danger if high voltage charges or but your body.

- 1) Never disassembly the base unit without consult qualified personnel.
- 2) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 3) Do not change attachment without definite permit from our company otherwise you might catch hazard.
- 4) Any abnormal smell during normal operation, please switch off and disconnect power supply and want qualified personnel amend.
- 5) Unplug appliance during filling, cleaning and maintenance.
- 6) Do not add detergents, chemical solutions which are not made by our company into the unit.
- 7) Keep detergents, chemical solutions away children.
- 8) Cleaning with clear water when detergents & chemical solutions splash into mouth & eyes, consulting doctors against serious hazard.
- 9) Never touch water in the Water Basin & components in the water when the unit is in working.
- 10) Never switch on when there is no water in the water basin.
- 11) Never scrape Ultrasonic Atomizing Transducer at will.
- 12) Never clean Ultrasonic Atomizing Transducer with detergents, chemical solutions that not made by our company.
- 13) Never let water splash into inner Base Unit when cleaning for avoiding components damage.
- 14) Never move the machine with the full water tank.
- 15) Posit the unit on the even surface and keep the machine at lease 2 meters far away from the furniture and the other electrical appliances.
- 16) Care should be taken due to emission of hot vapor.
- 17) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 18) Children should be supervised to ensure that they do not play with the appliance.

Explored Drawing:



*Operation Instruction

First Operation, put unit under the room temperature for half of an hour before running.

It is recommended to use the unit under temperature of 5-40C, relative humidity less than 80% RH.

Use clear water not over 40C.

Check the water basin, make sure it is clear.

Operation steps:

1. Take the water tank out of the base, open the Valve-cup, and fill the water tank with clear water. Close the Valve-cup, and put the water tank onto the base carefully.
2. Put the nozzle into the socket on top of the water tank.
3. Connect the main supply, switch on the unit (NEVER RUN THE UNIT WHEN THERE IS NO WATER IN WATER BASIN), the main connection lamp will on. The unit starts working.

*Trouble Shooting Guide

Any trouble found in normal operation, please kindly refer to the following points:

Trouble	Possible reasons	Shooting Way
Power lamp off, does not work	No power supply	Connect power supply, switch on
Power lamp on, no mist outlet with wind	No water in water tank	Fill water into water tank
	Security switch is too low	Make the switch where it should be

Abnormal smell mist	New unit	Take out water tank, open cover, let it stay 12 hours in cool position
	Dirty water or long time staying water	Cleaning water tank, fill in clear water
Power lamp on, unit doesn't work	Too much water in the water basin	Pull out same water from the water basin, closed the cover of water tank tightly
Mist fog is too small	Too much scale in the water basin	Clean transducer
	Water is too dirty or water kept too long in the tank	Clean water tank, change to fresh clear water
Abnormal noise	Resonant in water tank when waterless	Fill water tank with water
	Unit is on a unstable surface	Move the unit to a stable flat surface
Mist fog coming out from around nozzle	There are apertures between the nozzle and water tank	Dip the nozzle in water for a while and then fix it to the socket on water tank

*Maintenance:

In case when the water is hard which means water contains too much calcium and magnesium, they can cause “white powder” problem and give heavy scales on the surface of water basin, transducer and inner surface of the water tank. Scales on the surface of transducer will unable the unit work properly.

We recommend:

- 1) Use cold boiled water or distilled water.
- 2) Clean the transducer, water tank and basin unit every week.
- 3) Change the water in water tank more often to keep it fresh.
- 4) Make sure to pull out the water from the water tank and dry the water basin before you store the unit unused for a long period of time.
- 5) Clean the whole unit, and make sure that all parts of the unit are dried completely before unused for longer period of time.
- 6) Do not use the chemical for cleaning.

How to clean the transducer:

- 1) Put 5-10 drops of cleaning abluent on the surface of the transducer, wait for 2-5 minutes;
- 2) Brush out the scale on the surface.
- 3) Rinse the transducer with clean water.

How to clean the basin unit:

- 1) Cleaning the water basin with soft cloth and the cleaning abluent if there is scale in it.
- 2) If the scale is covered on the security switch, drop the cleaning abluent on the scale and clean it out with the brush.
- 3) Rinsing the water basin with clean water.



DISPOSAL: Do not dispose this product as unsorted municipal waste, collection of such waste separately for special treatment is necessary.